

Fig. 1

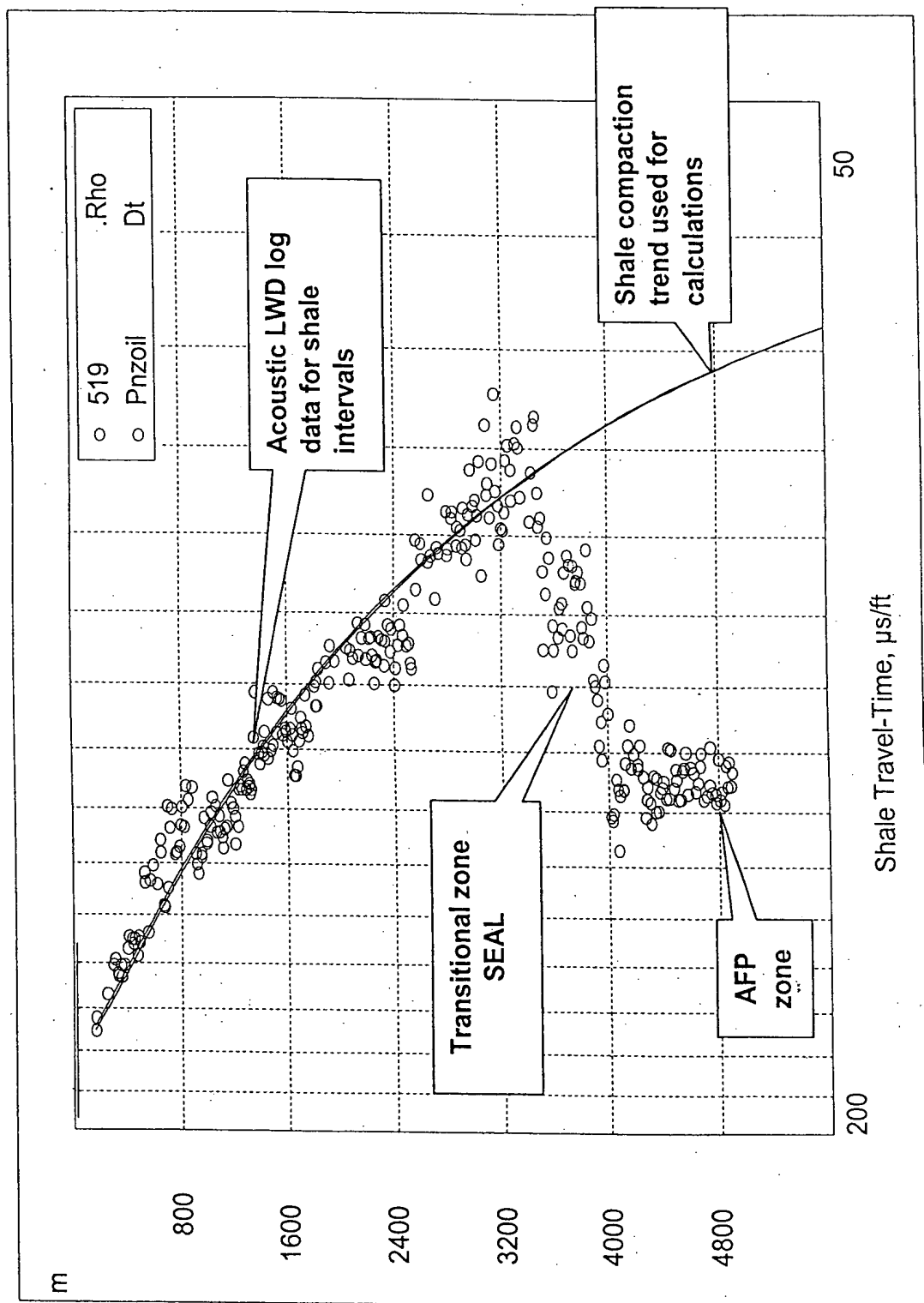


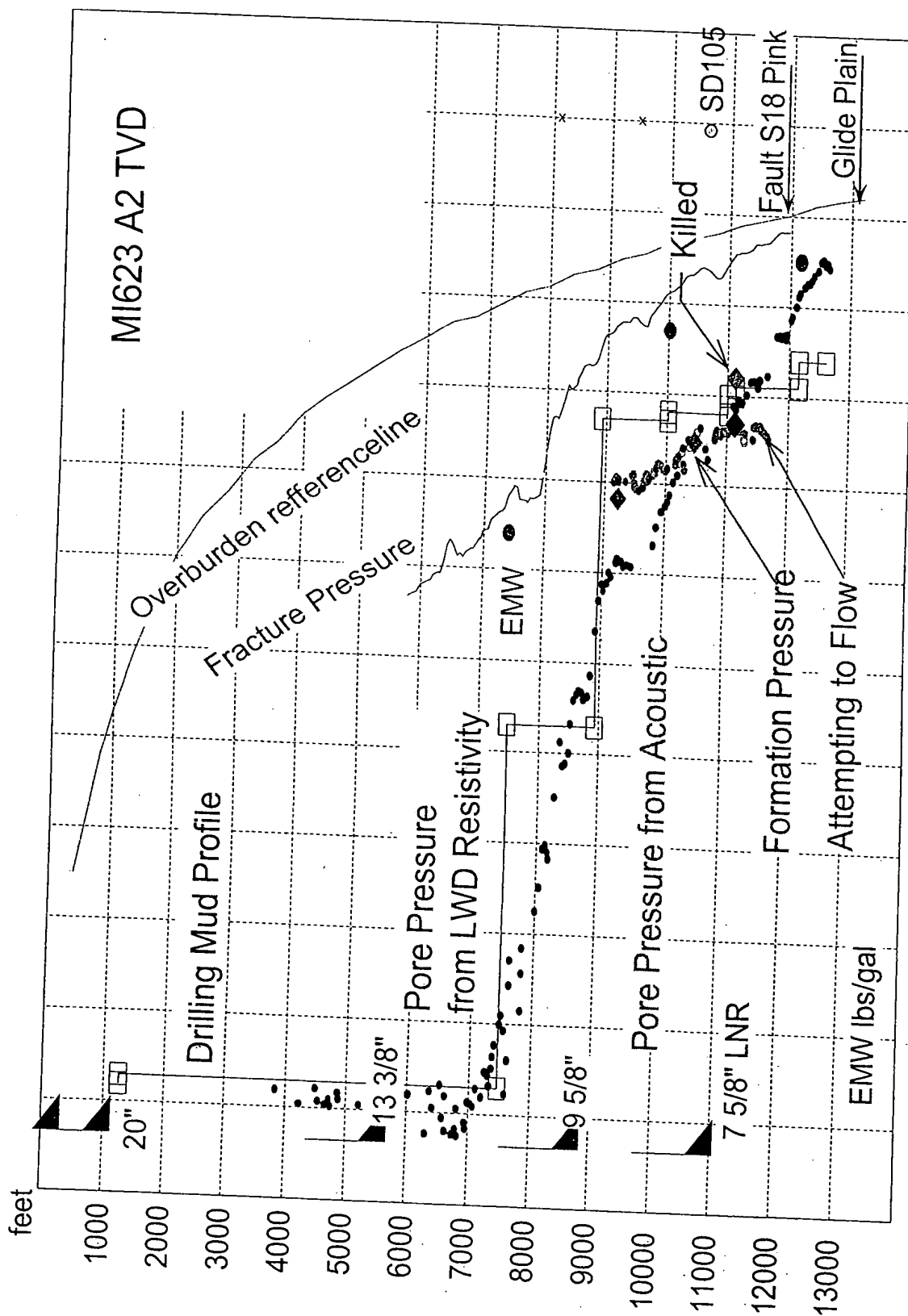
Fig. 2

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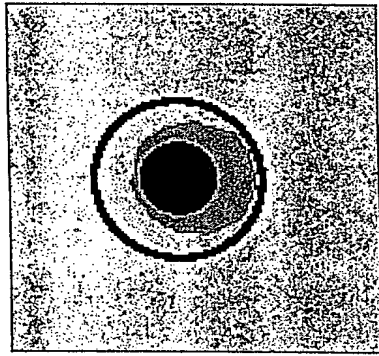
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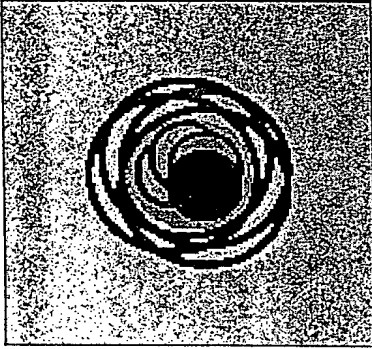


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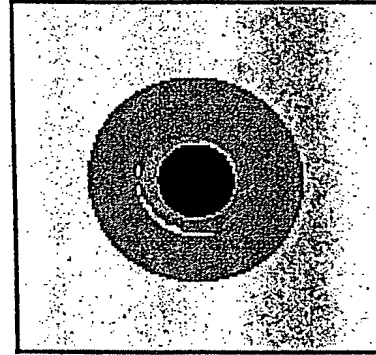
Fig. 3



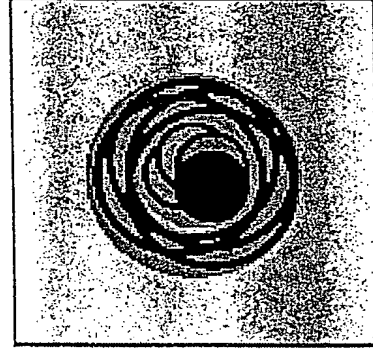
(a)



(b)



(c)



(d)

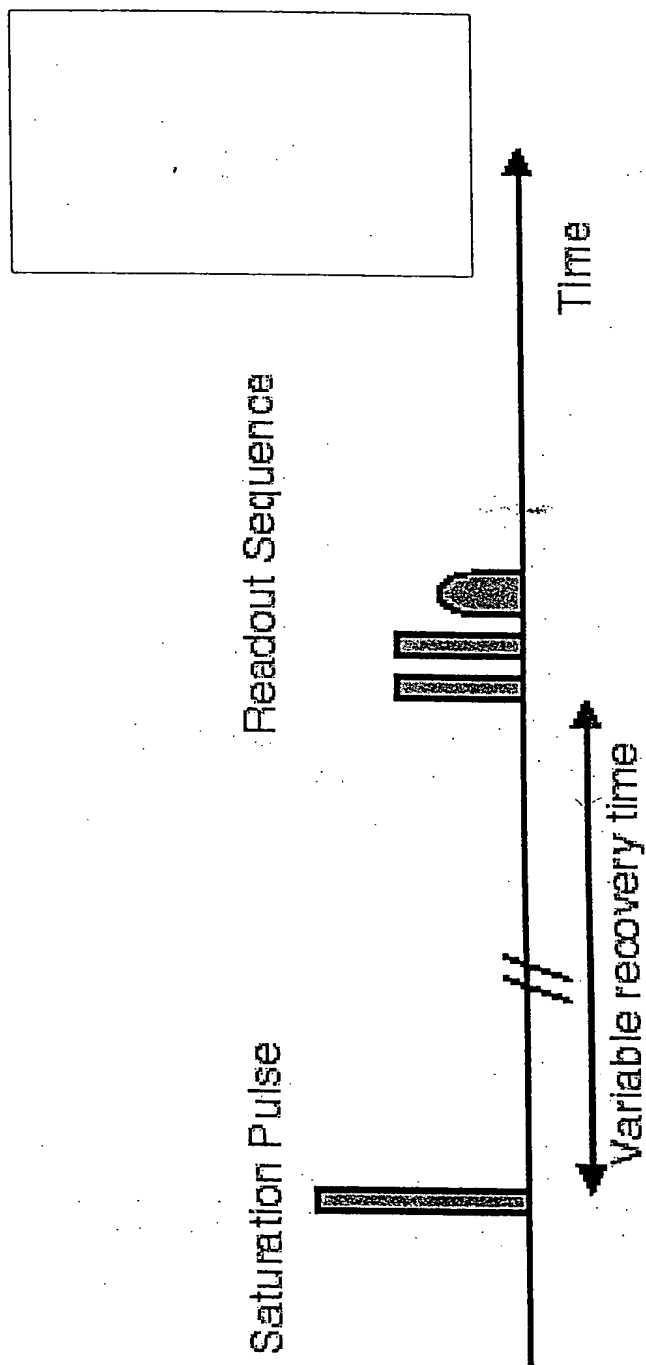
Fig. 4

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Fig. 5

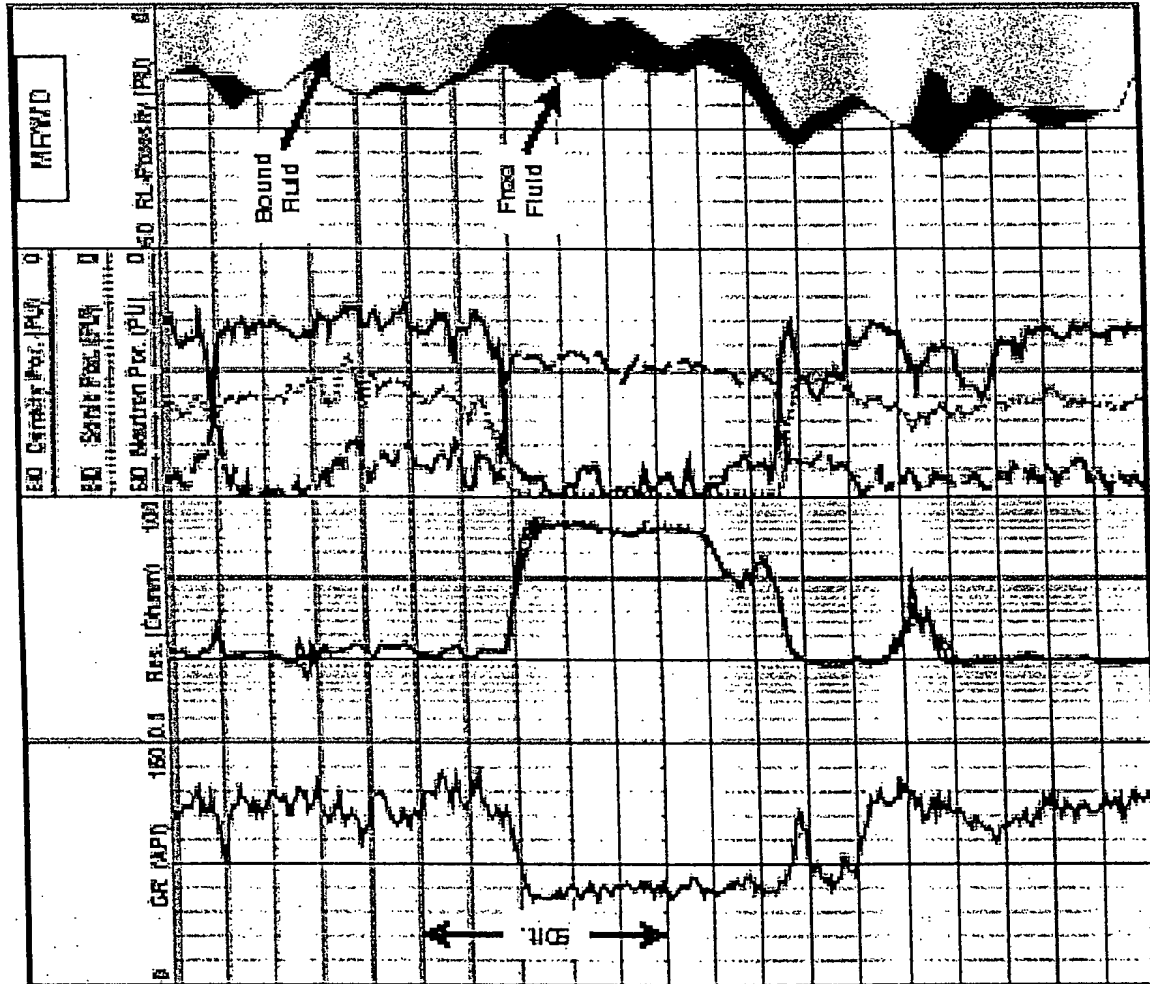


Fig. 6

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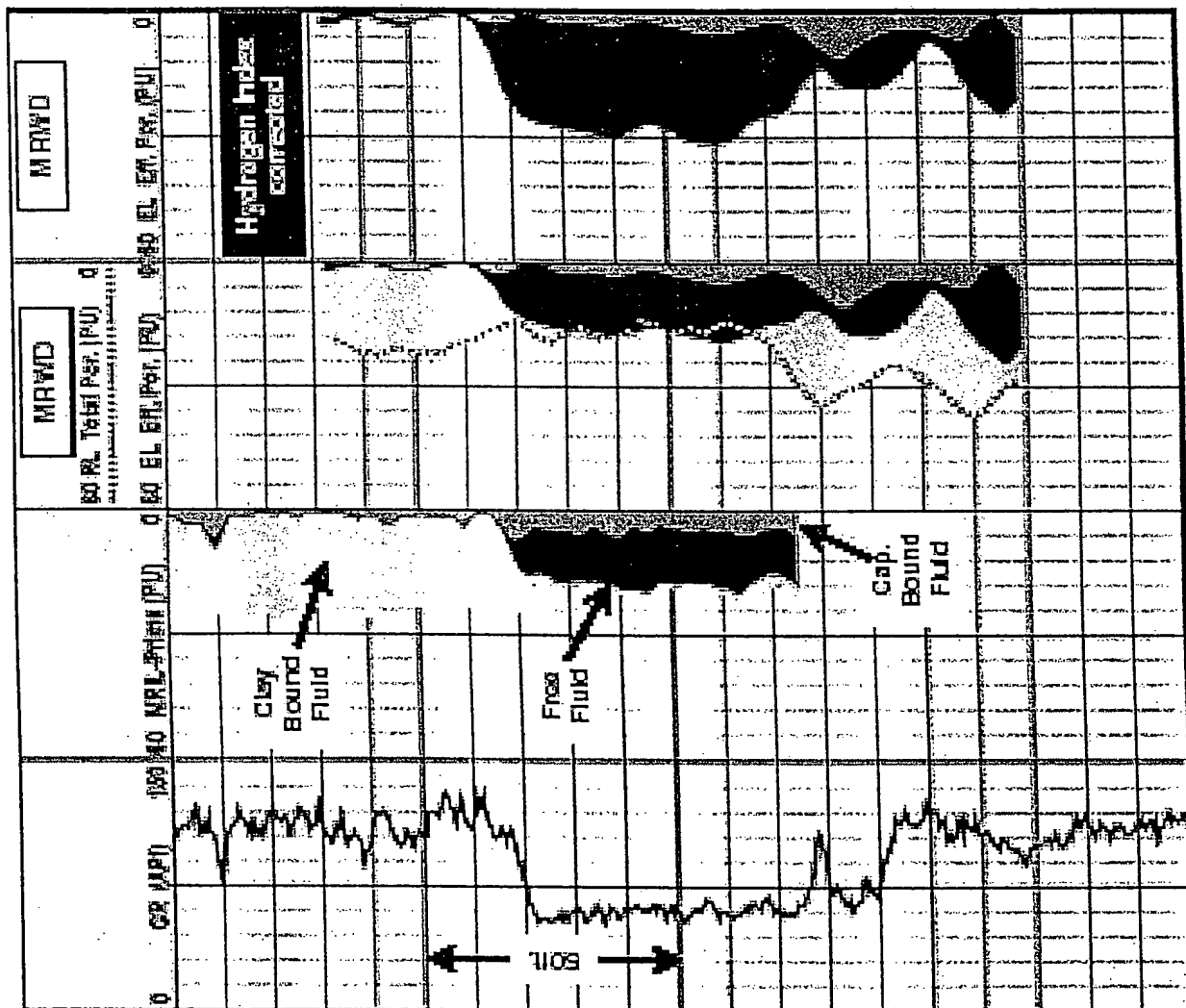


Fig. 7

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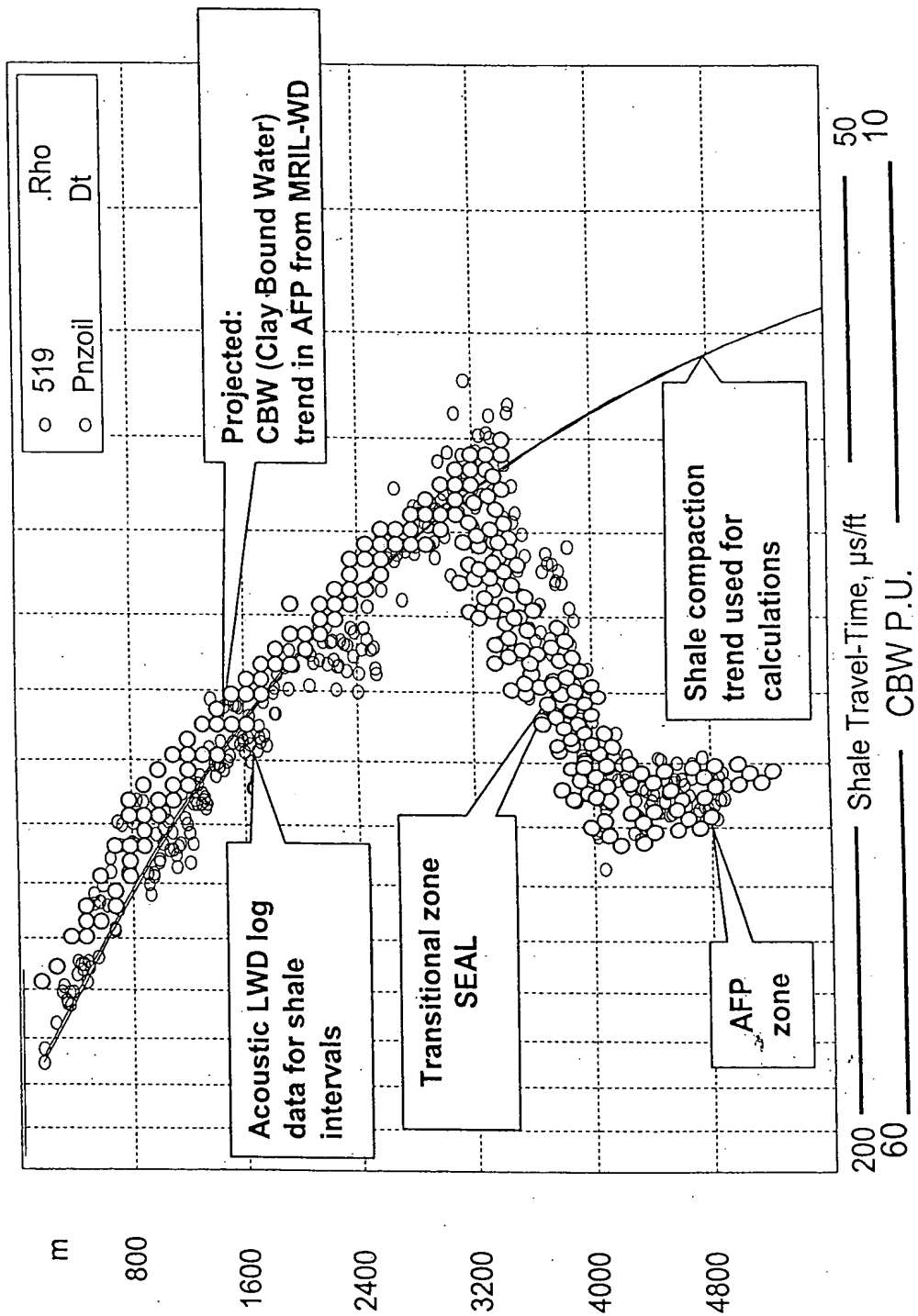


Fig. 8

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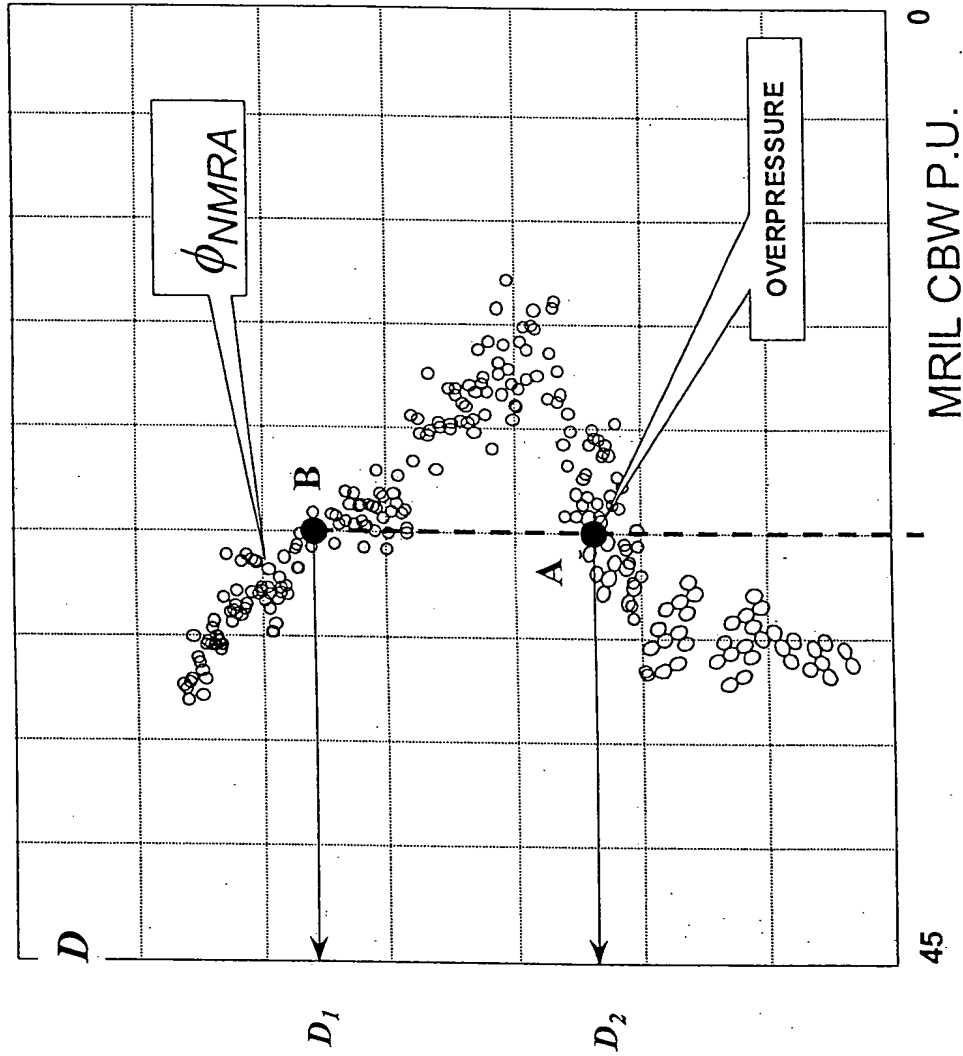


Fig. 9

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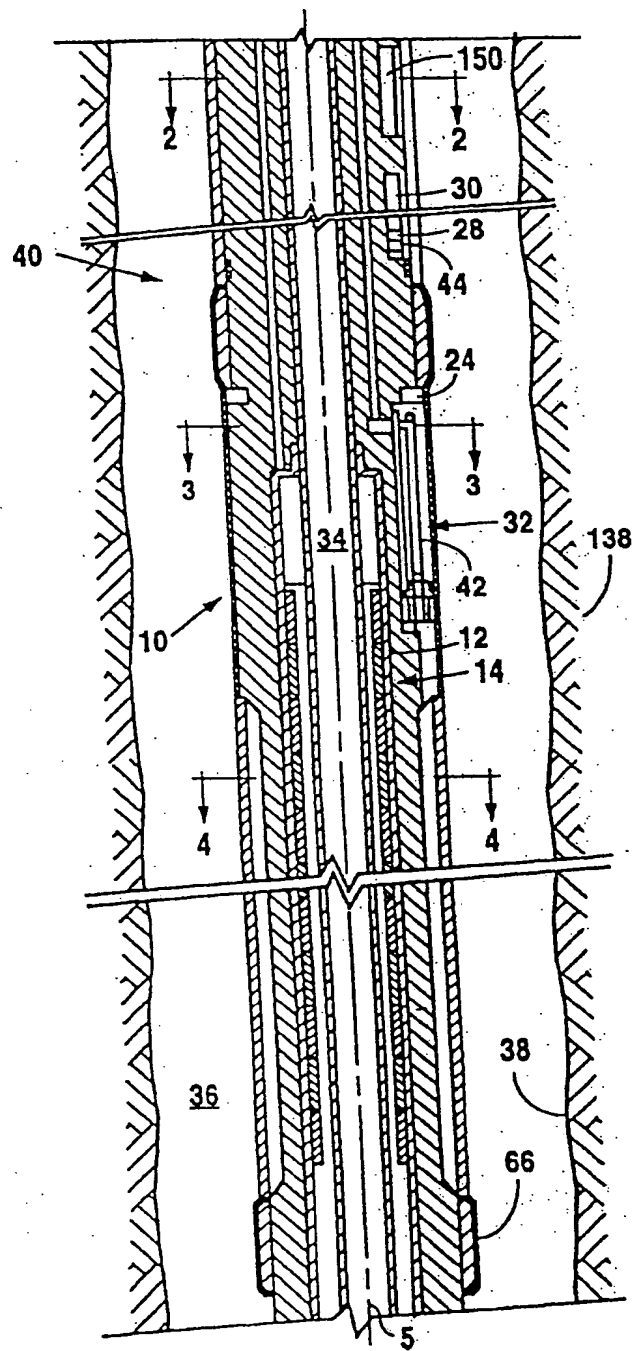


Fig. 10

CLAY TYPE	MORPHOLOGY	T ₂ (ms) or r(μm);	T ₁ (ms)
Smectite	slurry	$\rho=2.3$	7-60
Smectite		< 1.0	
Illite	slurry	$\rho=2.1$	2-20
Illite	Detrital flakes/sheets	1-3	
Illite	Grain alteration (rare)	5-20 μm	
Illite		1-2	
Chlorite	Grain alteration	5-20	
Chlorite	Detrital sheet (rare)	~1-5 μm	
Chlorite	Pore lining	20-40	
Chlorite		3-5	
Kaolinite	Pore filling	5-20	
Kaolinite, Vermiculite	Pore filling	10-50	
Kaolinite	Grain replacement	0.3-3	
Kaolinite	slurry	$\rho=1.8$	80-300
Kaolinite		4-16	
Glauconite	slurry	$\rho=3.3$	7-25
Ca/Na Montmorillonite	hydrated	1.7-3	
Illite, kaolinite, chlorite	detrital	0.1-10	
Kaolinite, chlorite	Grain replacement	2-20	

Fig. 11

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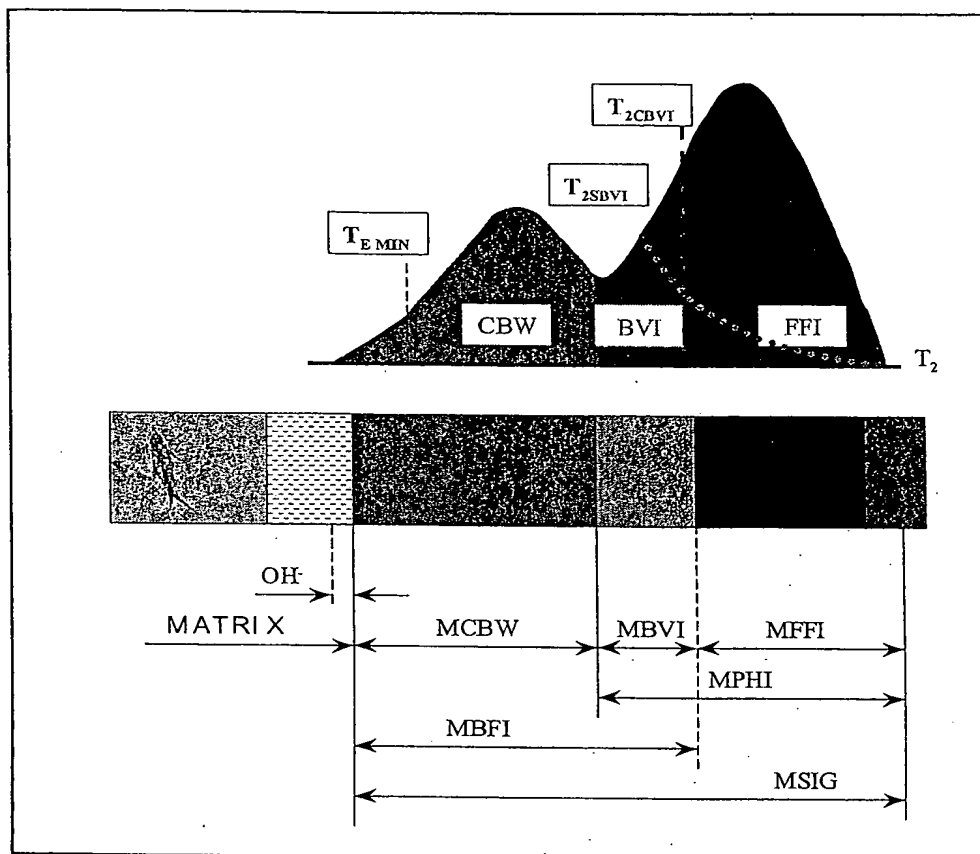


Fig. 12

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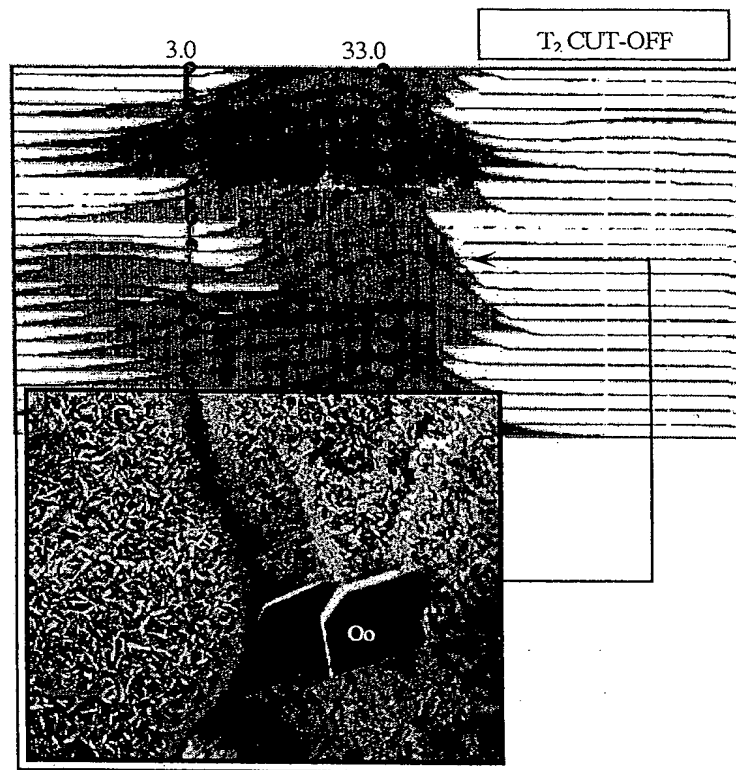


Fig. 13

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